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HAZARDOUS
SITE CONTROL
DIVISION

Remedial Planning/ Field Investigation Team (REM/FIT)

ZONE II

CONTRACT NO.
68-01-6692

CH2M HILL
Ecology &
Environment

CERCLA Site Inspection

Tapemation Machine, Inc.
21 El Pueblo Road
Scotts Valley, CA 95066

CAD004972055

ecology and environment, inc.
120 HOWARD STREET, SUITE #640, SAN FRANCISCO, CALIFORNIA 94105, TEL. 415-777-2811
International Specialists in the Environment

Purpose: CERCLA Site Inspection

Site: Tapemation Machine, Inc.
21 El Pueblo Road
Scotts Valley, CA 95066

Site ERRIS ID Number: CAD004972055

Inspection ID Number: C(85)C320

TDD Number: R-09-8506-13

FIT Investigator(s): Martha Walters, Environmental Specialist
Steve Wisbaum, Hazardous Waste Specialist

Date of Inspection: 7/11/85

Report Prepared By: Chris Lichens
Steve Wisbaum

Report Date: 9/18/85

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS

1.0 INTRODUCTION

The Santa Cruz Board of Supervisors has requested assistance from the Environmental Protection Agency (EPA) in determining the source(s) of toxic contamination entering the federally designated "sole source" Santa Margarita aquifer. Ecology and Environment, Inc. (E & E) in its role as subcontractor to EPA has initiated the Preliminary Assessment (PA)/Site Inspection (SI) phase of the investigation. The Preliminary Assessment, which consisted of a complete file search and interviews with state/local regulatory agencies, concluded that a site inspection was necessary to evaluate potential environmental hazards associated with on-site use of organic solvents and oils at Tapemation Machine (TM).

The purpose of this report is to summarize FIT's inspection activities, describe local environmental conditions, and to recommend future activities, if any, with respect to characterization and source verification of contaminants potentially entering the Santa Margarita aquifer from this facility.

2.0 SITE HISTORY AND DESCRIPTION

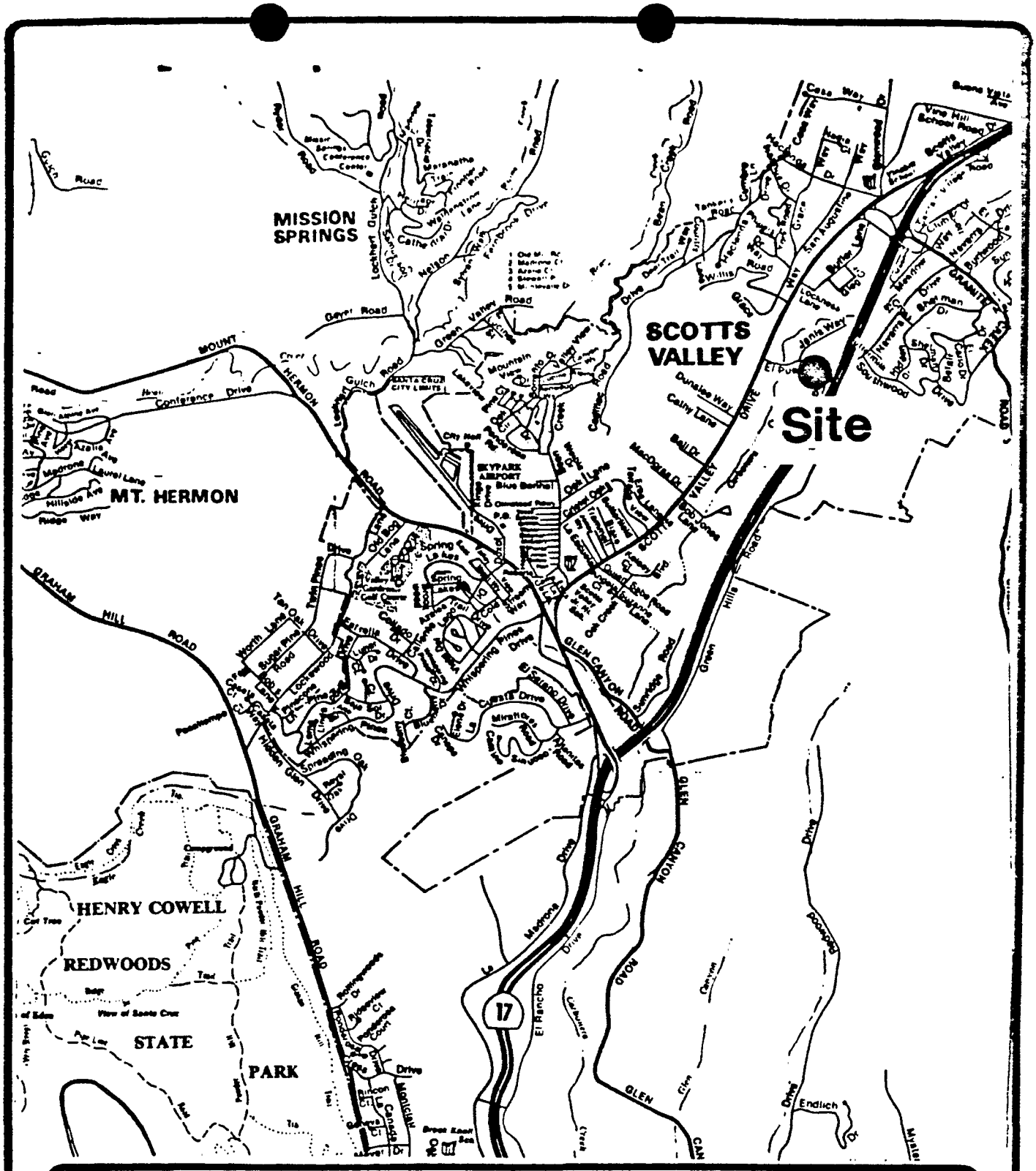
2.1 Site History

TM has been located at 21 El Pueblo Road in Scotts Valley, California since 1969 (see Site Location Map, Figure 2.0 and Facility Map, Figure 2.1), although from 1969 to 1975 the facility was known as Erickson Engineering. From 1966 to 1969 the facility was located at 4860 Scotts Valley Drive and from 1961 to 1966 it was located in Redwood City, California. Mr. Erickson has been the General Manager at TM since 1969.

2.2 Process Description

TM performs drilling, milling, and turning operations in the manufacture of machine parts. A specific listing of the raw materials used on-site is as follows: acetone (approx. 1 gal. per month), lacquer thinner and/or paint thinner (approx. 2 gal. per month), kerosene (approx. 5 gal. per month), water soluble oil (Union Oil Product, approx. 50 gal. per month), "Turbine Oil" (Union Oil Product, approx. 20 gal. per month), "Way Oil" (Union Oil Product, approx. 5 to 10 gal. per month), "Black Cutting Oil" (Union Oil Product, 3 to 4 gal. per month), and small quantities of enamel-based paint, motor oil, and a water soluble liquid cleaner. Gasoline is also kept on-site to run fork-lifts. None of the chemicals that have been detected in the Santa Margarita aquifer are or were used at Tapemation's current location. Small amounts of trichloroethylene (TCE) were used at the two previous locations although Mr. Erickson estimated that not more than 20 gallons were used between 1963 and 1969.

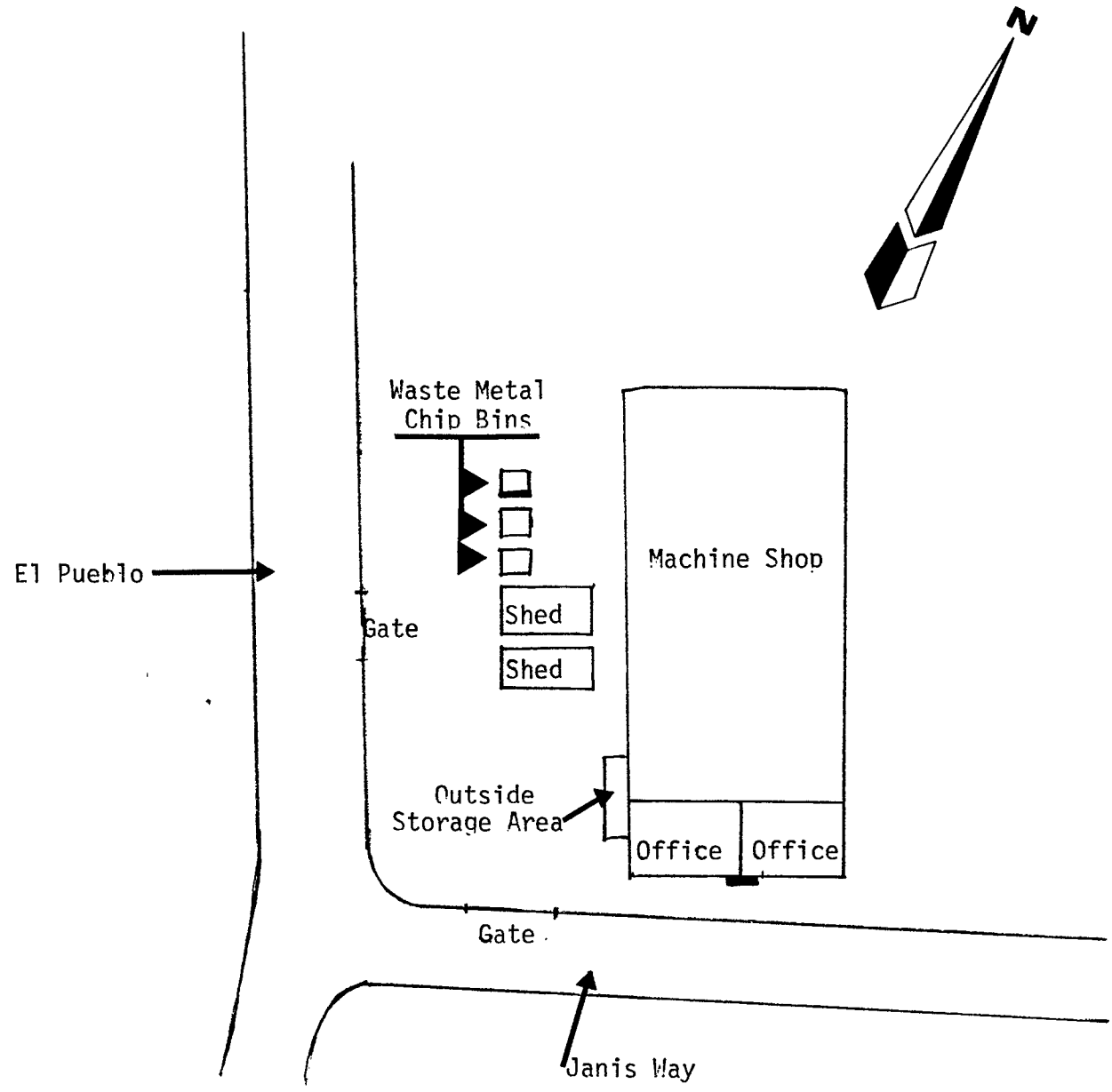
Gasoline, cutting oil, lubricating oil, water soluble liquid cleaner, Turbine oil, and Way oil are stored in 55 gallon drums in a rack outside the facility. Acetone, kerosene, paint thinners, motor oil, and any other materials are stored at various locations inside the facility.



Site Location Map Figure 2.0

Tapemation Machine

Scotts Valley Street Map



not to scale

FIGURE 2.1: Facility Map

TAPEMATION MACHINE, INC.

21 El Pueblo Road
Scotts Valley, CA 95066

Taken from the Hazardous Materials Management Plan, 4/25/85.

2.3 Waste Management Practices

Machines are drained of used oil which is put in small containers and then pumped to a 55 gallon drum in the outside storage area. Waste oil is subsequently picked up by the Renn Oil Company (Santa Cruz, California) and recycled. Cutting oils are recycled on-site. Solvents are used in wiping operations and the contaminated rags are picked up and cleaned by Mission Linen Supply. There are minimal amounts of wastes associated with the use of lacquers, thinners, and paint. Excess metal shavings called "chips" are stored outside in 4 foot by 4 foot steel bins and hauled off-site by Diamond Metals.

Although oil stains are evident on the TM property, according to Mr. Erickson there have never been any major spills or releases of organic solvents and there has never been any regulatory/enforcement action taken at TM. TM is currently in the process of applying for a Scotts Valley Hazardous Materials Management Plan.

3.0 ENVIRONMENTAL SETTING

3.1 Surrounding Area

TM is located in a light industrial area adjacent to Highway 17 and approximately 0.25 miles east of Carbonera Creek.

3.2 Hydrogeology

The Scotts Valley community overlies the Scotts Valley Groundwater Basin. Located inland from the Santa Cruz coast, the basin encompasses approximately 12 square miles of rural, residential and commercial land. The Santa Margarita Sandstone is the primary water-bearing formation in the Scotts Valley area and was recently designated a sole source aquifer by EPA (Akers, 1969; Draft Support Document, August 1982). The approximate boundaries of the Santa Margarita Sandstone (hereafter called the "Santa Margarita aquifer" or the "aquifer") are shown in Figure 3.1.

Luhdorff and Scalmanini Consulting Engineers (April, 1984) described the Santa Margarita aquifer as an unconsolidated, thickly bedded yellowish-grey fine- to coarse-grained sandstone. Additionally, Groundwater Resources, Inc. has identified channel deposits of water-bearing conglomerate in the lower third of the aquifer (Luhdorff and Scalmanini, April 1984). The Santa Margarita aquifer exists under water table conditions and is recharged at outcrops of the Santa Margarita Sandstone by either direct precipitation or runoff. In general, this formation has a high recharge capacity and is therefore susceptible to contamination.

Depth to groundwater in Scotts Valley varies locally and fluctuates seasonally. The water levels are generally 20-140 feet below ground surface, with seasonal variances of 5-25 feet. Seasonally, the highest water levels are usually in March and April, while the lowest are normally in October. Locally, the water table in the Scotts Valley Drive area is highest in the northeastern part of the basin and downslopes toward the pumping depression at the El Pueblo well field, indicating a southward flow direction in that area. Groundwater levels are lower to the west of the Scotts Valley Drive area, and

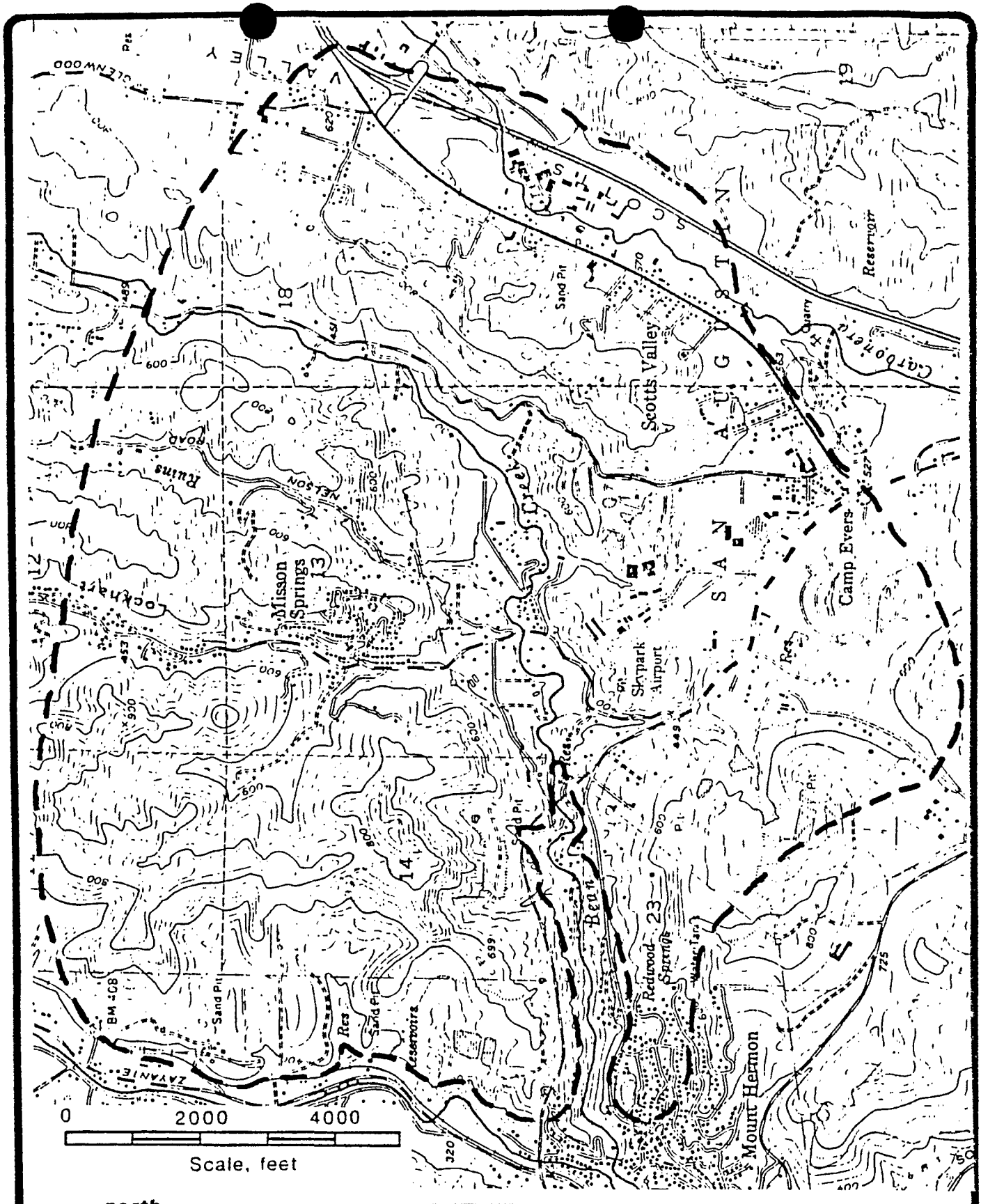


FIGURE 3.1

Approximate Boundary of the Saturated Santa Margarita Aquifer

after: Todd June 1985

assuming continuity of the aquifer between this area and Bean Creek, the water table gradient indicates westward groundwater flow from a portion of the Scotts Valley Drive area to Bean Creek. Water table elevations in the Camp Evers area are highest to the south and decline gradually to the north, indicating groundwater flow from recharge along the highlands to the south and west of Camp Evers to discharge areas along Bean Creek (Todd, 1985).

Groundwater flow from beneath the TM site appears to move south toward the pumping depression at the El Pueblo Well Field located within 0.5 miles of the facility. Depth to groundwater is approximately 120 feet beneath the site (Scotts Valley Water Resources Management Plan, Phase II, David Keith Todd Consulting Engineers, Inc., June 1985).

Soils on-site are classified as Elder sandy loam which consists of slightly acid sandy loam in the first 31 inches, changing to a sandy loam and loamy sand for up to the next 60 inches. Permeability ranges from 0.6 to 2.0 inches per hour (Soil Survey of Santa Cruz County, U.S. Department of Agriculture, August 1980).

Available information indicates there are 104 groundwater wells in the Scotts Valley area. Of these, 5 are abandoned, 3 are capped, and 4 are not in operation. Apparent uses of the remaining 92 are as follows: 31 are domestic, 14 are industrial, 11 are municipal, 23 are test wells, and 13 are unknown (Scotts Valley Water Resources Management Plan, Phase II, David Keith Todd Consulting Engineers, Inc., Berkeley, California, June 1985).

There are a total of 3,300 service connections from groundwater supply wells in Scotts Valley of which 2,086 are accounted for by the Scotts Valley Water District, 442 are accounted for by the San Lorenzo Valley Water District, and 772 are accounted for by private wells and springs. An average of 3.8 persons per service connection implies that a population of 12,540 uses groundwater from Scotts Valley as a drinking water supply (Hazardous Waste Site Ranking System User's Manual, 8/82; Telephone conversation between Steve Wisbaum-FIT and Daryl Ellis of the Scotts Valley Water District, 7/5/85; Telephone conversation between Steve Wisbaum-FIT and Al Haynes of the San Lorenzo Valley Water District, 7/5/85, and, the North Central Santa

Cruz County Water Supply Master Plan--Groundwater Resources--Scotts Valley Area, Luhdorff and Scalmanini Engineers, 4/84).

The closest known contaminated groundwater well to the TM site is the Scotts Valley Water District--El Pueblo Drive Well #3A, which lies approximately 0.5 miles south and apparently downgradient of the site. On July 27, 1985, Well #3A was closed after sampling showed trichloroethylene (TCE).

Of the thirteen contaminated wells that have been identified in the Scotts Valley area to date, seven are located within a one mile radius of this site (see Santa Margarita/Scotts Valley Contamination Study, TDD #R-09-8505-11).

3.3 Surface Water

Carbonera Creek lies within about 0.25 miles of the site to the east. Its present and/or anticipated future uses include: municipal and domestic drinking water supply, wildlife habitat, agricultural supply, industrial service supply, cold freshwater habitat, and non-contact water recreation (Telephone conversation between Steve Wisbaum-FIT and Vern Jones-RWQCB, 7/6/85). Carbonera Creek is also a tributary to the San Lorenzo River but it empties into the river downstream from the Santa Cruz Municipal Utility system's intake (Telephone conversations between Steve Wisbaum-FIT and Gene Watson of the Santa Cruz Municipal Utility District, 7/5/85). According to the Luhdorff and Scalmanini report cited above, Carbonera Creek is responsible for some recharge to the aquifer in the area near this site.

4.0 SUMMARY OF FIT INSPECTION EFFORTS

The inspection of TM was conducted on July 11, 1985 by FIT members Martha Walters and Steve Wisbaum.

The inspection was initiated with a meeting with Bruce Erickson of TM to discuss the historical development of the site, ownership, waste management, process descriptions, etc. Following the meeting FIT inspected the TM site (see Appendix C for Photographic Documentation). All pertinent information given to FIT during this inspection is included in previous sections of this report and on the site inspection from (see Appendix B).

5.0 CONCLUSIONS AND RECOMMENDATIONS

TM has performed machining operations on machine components in Scotts Valley since 1966 and since 1969 at their present location. Various oils, solvents, lacquers, thinners, and paints are used on-site. Oils are used in the largest quantities and the waste oil generated is hauled off-site.

Available information indicates that there have not been any spills or releases of organic solvents to the environment from this facility or TM's previous Scotts Valley facility. Although trace levels of contaminants have been detected in the Scotts Valley Water District's Well #3A nearby, there is no evidence to indicate that Tapemation has any on-site contamination contributing to groundwater degradation. Therefore, FIT recommends no further action at this facility.

APPENDIX A

Contact Log and Reports

P.A./S.I. CONTACT LOG

Facility Name: Tapemation Machine, Inc.
Facility ID: R-09-8506-13

Name	Affiliation	Phone #	Date	Information
File Search	Scotts Valley HMMP	(408) 438-0732	05/21/85	File found and copied.
File Search	EPA CERCLIS File		05/29/85	CERCLIS File showed no listing.
File Search	Department of Health Services	(415) 540-2043	06/19/85	File not found.
File Search	Santa Cruz County Environmental Health	(408) 425-2341	06/25/85	File not found.
File Search	Central Coast RWQCB	(805) 549-3147	06/26/85	File not found.

APPENDIX B

Site Inspection Report Form

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 State	02 Site Number
CA	CAD[illegible]72055

II. SITE NAME AND LOCATION

01 Site Name (Legal, common, or descriptive name of site)	02 Street, Route No., or Specific Location Identifier
[illegible] Mining, Inc.	21 El Pueblo Road

03 City	04 State	05 Zip Code	06 County	07 County Code	08 Cong Dist
Scotts Valley	CA	95066	Santa Cruz		

09 Coordinates Latitude	Longitude
37 03 06.0	122 00 54.0

10 Type of Ownership (Check one)
☑ A. Private ☐ B. Federal ______ ☐ C. State ☐ D. County ☐ E. Municipal
☐ F. Other ______ ☐ G. Unknown

III. INSPECTION INFORMATION

01 Date of Inspection: 7 / 11 / 85 (Month Day Year)

02 Site Status: ☑ Active ☐ Inactive

03 Years of Operation: 1961 (Beginning Year) | ______ (Ending Year) ______ Unknown

04 Agency Performing Inspection (Check all that apply)
☐ A. EPA ☑ B. EPA Contractor Ecology and Environment, Inc. (Name of firm) ☐ C. Municipal ☐ D. Municipal Contractor ______ (Name of firm)
☐ E. State ☐ F. State Contractor ______ (Name of firm) ☐ G. Other ______ (Specify)

05 Chief Inspector	06 Title	07 Organization	08 Telephone No.
Steve Wisbaum	Hazardous Waste Specialist	E&E, Inc.	(415) 777-2811
09 Other Inspectors	**10 Title**	**11 Organization**	**12 Telephone No.**
~~[illegible]~~	~~Chemical Engineer~~	E&E, Inc.	(415) 777-2811
Martin Walters	Environmental Specialist		( )
			( )
			( )
			( )

13 Site Representatives Interviewed	14 Title	15 Address	16 Telephone No.
			( )
Bruno Erickson	General Manager	21 El Pueblo Road	(408) 438-6440
			( )
			( )
			( )
			( )

17 Access Gained By (Check one)	18 Time of Inspection	19 Weather Conditions
☑ Permission ☐ Warrant		Fair

IV. INFORMATION AVAILABLE FROM

01 Contact	02 Of (Agency/Organization)	03 Telephone No.
Jeff Rosenbloom	EPA	(415) 974-7513

04 Person Responsible for Site Inspection Form	05 Agency	06 Organization	07 Telephone No.	08 Date (Month Day Year)
Chris Lipons	[illegible]	E&E, Inc.	415 777-2811	9 / 23 / 85

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 State	02 Site Number

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 Physical States (Check all that apply)

- ☐ A. Solid
- ☐ B. Powder, Fines
- ☐ C. Sludge
- ☐ D. Other _____ (Specify)
- ☐ E. Slurry
- ☑ F. Liquid
- ☐ G. Gas

02 Waste Quantity at Site (Measure of waste quantities must be independent)

Tons _____

Cubic Yards _____

No. of Drums _____

03 Waste Characteristics (Check all that apply)

- ☑ A. Toxic
- ☐ B. Corrosive
- ☐ C. Radioactive
- ☑ D. Persistent
- ☐ E. Soluble
- ☐ F. Infectious
- ☐ G. Flammable
- ☐ H. Ignitable
- ☐ I. Highly Volatile
- ☐ J. Explosive
- ☐ K. Reactive
- ☐ L. Incompatible
- ☐ M. Not Applicable

III. WASTE TYPE

Category	Substance Name	01 Gross Amount	02 Unit of Measure	03 Comments
SLU	Sludge			
OLW	Oily Waste	55	gallons	Total effects when drum full.
SOL	Solvents			
PSD	Pesticides			
OCC	Other Organic Chemicals			
IOC	Inorganic Chemicals			
ACD	Acids			
BAS	Bases			
MES	Heavy Metals			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 Category	02 Substance Name	03 CAS Number	04 Storage/Disposal Method	05 Concentration	06 Measure of Concentration

V. FEEDSTOCKS (See Appendix for CAS Numbers)

Category	01 Feedstock Name	02 CAS Number	Category	01 Feedstock Name	02 CAS Number
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 State | 02 Site Number

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. Groundwater Contamination
03 Population Potentially Affected: _____
02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ B. Surface Water Contamination
03 Population Potentially Affected: _____
02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ C. Contamination of Air
03 Population Potentially Affected: _____
02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ D. Fire/Explosive Conditions
03 Population Potentially Affected: _____
02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ E. Direct Contact
03 Population Potentially Affected: _____
02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ F. Contamination of Soil
03 Area Potentially Affected: _____
02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ G. Drinking Water Contamination
03 Population Potentially Affected: _____
02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ H. Worker Exposure/Injury
03 Workers Potentially Affected: _____
02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ I. Population Exposure/Injury
03 Population Potentially Affected: _____
02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 State | 02 Site Number

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. Damage to Flora — 02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ K. Damage to Fauna — 02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ L. Contamination of Food Chain — 02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ M. Unstable Containment of Wastes (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
03 Population Potentially Affected: _____ 04 Narrative Description

None Documented

01 ☐ N. Damage to Offsite Property — 02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ O. Contamination of Sewers, Storm/Drains, WWTPs — 02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

01 ☐ P. Illegal/Unauthorized Dumping — 02 ☐ Observed (Date: _____) ☐ Potential ☐ Alleged
04 Narrative Description

None Documented

05 Description of Any Other Known, Potential, or Alleged Hazards

None Documented

III. TOTAL POPULATION POTENTIALLY AFFECTED:

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 State	02 Site Number

II. PERMIT INFORMATION

01 Type of Permit Issued (Check all that apply)	02 Permit Number	03 Date Issued	04 Expiration Date	05 Comments
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☑ H. Local (Specify)		-		Salt Valley Hazardous Materials Management Plan in the Operation Phase
☐ I. Other (Specify)				
☐ J. None				

III. SITE DESCRIPTION

01 Storage/Disposal (Check all that apply)	02 Amount	03 Unit of Measure
☐ A. Surface Impoundment		
☐ B. Piles		
☑ C. Drums, Above Ground	55	gallons
☐ D. Tank, Above Ground		
☐ E. Tank, Below Ground		
☐ F. Landfill		
☐ G. Landfarm		
☐ H. Open Dump		
☐ I. Other (Specify)		

04 Treatment (Check all that apply)

- ☐ A. Incineration
- ☐ B. Underground Injection
- ☐ C. Chemical/Physical
- ☐ D. Biological
- ☐ E. Waste Oil Processing
- ☐ F. Solvent Recovery
- ☐ G. Other Recycling/ Recovery
- ☐ H. Other (Specify)

05 Other

- ☒ A. Buildings On Site

06 Area of Site

0.5 (Acres)

07 Comments

IV. CONTAINMENT

01 Containment of Wastes (Check one)

☑ A. Adequate, Secure ☐ B. Moderate ☐ C. Inadequate, Poor ☐ D. Insecure, Unsound, Dangerous

02 Description of Drums, Diking, Liners, Barriers, etc.

V. ACCESSIBILITY

01 Waste Easily Accessible: ☐ Yes ☑ No

02 Comments

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Information Material Site Inspection

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 State | 02 Site Number

II. DRINKING WATER SUPPLY

01 Type of Drinking Supply (Check as applicable)	SURFACE	WELL	02 Status ENDANGERED	AFFECTED	MONITORED	03 Distance to Site
Community	A. ☐	B. ☑	A. ☐	B. ☑	C. ☐	A. 0.5 (mi)
Non-Community	C. ☐	D. ☐	D. ☐	E. ☐	F. ☐	B. _____ (mi)

III. GROUNDWATER

01 Groundwater Use in Vicinity (Check one)

☑ A. Only Source for Drinking ☐ B. Drinking (Other sources available) Commercial, Industrial, Irrigation (No other water sources available) ☐ C. Commercial, Industrial, Irrigation (Limited other sources available) ☐ D. Not Used, Unuseable

02 Population Served by Ground Water _____ 03 Distance to Nearest Drinking Water Well 0.5 (mi)

04 Depth to Groundwater	05 Direction of Groundwater Flow	06 Depth to Aquifer of Concern	07 Potential Yield of Aquifer	08 Sole Source Aquifer
120 (ft)	South	120 (ft)	_____ (gpd)	☑ Yes ☐ No

09 Description of Wells (Including useage, depth, and location relative to population and buildings)
There are various municipal monitoring and private groundwater wells in the CTI Pueblo industrial area.

10 Recharge Area	Comments	11 Discharge Area	Comments
☑ Yes		☐ Yes	
☐ No		☐ No	

IV. SURFACE WATER

01 Surface Water (Check one)

☑ A. Reservior, Recreation Drinking Water Source ☐ B. Irrigation, Economically Important Resources ☐ C. Commercial, Industrial ☐ D. Not Currently Used

02 Affected/Potentially Affected Bodies of Water

Name:	Affected	Distance to Site
Barbarera Creek	☐	0.25 (mi)
	☐	_____ (mi)
	☐	_____ (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 Total Population Within

One (1) Mile of Site	Two (2) Miles of Site	Three (3) Miles of Site
A. _____ No. of Persons	B. _____ No. of Persons	C. _____ No. of Persons

02 Distance to Nearest Population _____ (mi)

03 Number of Buildings Within Two (2) Miles of Site _____

04 Distance to Nearest Off-Site Building _____ (mi)

05 Population Within Vicinity of Site (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 State | 02 Site Number

VI. ENVIRONMENTAL INFORMATION

01 Permeability of Unsaturated Zone (Check one)

☐ A. 10^{-6} - 10^{-8} cm/sec ☐ B. 10^{-4} - 10^{-6} cm/sec ☐ C. 10^{-4} - 10^{-3} cm/sec ☑ D. Greater Than 10^{-3} cm/sec

02 Permeability of Bedrock (Check one)

☐ A. Impermeable (Less than 10^{-6} cm/sec) ☐ B. Relatively Impermeable (10^{-4} - 10^{-6} cm/sec) ☐ C. Relatively Permeable (10^{-2} - 10^{-4} cm/sec) ☐ D. Very Permeable (Greater Than 10^{-2} cm/sec)

03 Depth to Bedrock	04 Depth of Contaminated Soil Zone	05 Soil pH	
_____ (ft)	_____ (ft)	_____	

06 Net Precipitation	07 One Year 24 Hour Rainfall	08 Slope		
		Site Slope	Direction of Site Slope	Terrain Average Slope
12.0 (in)	3.0 (in)	2-9 %		_____ %

09 Flood Potential
Site is in _____ Year Floodplan

10
☐ Site is on Barrier Island, Coastal High Hazard Area, Riverine Floodway

11 Distance to Wetlands (5 acre minimum)

ESTUARINE: A. N/A (mi) OTHER: B. N/A (mi)

12 Distance to Critical Habitat (of endangered species)
_____ (mi)
Endangered Species: None

13 Land Use in Vicinity

Distance to:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A. _____ (mi)	B. _____ (mi)	C. None (mi)	D. None (mi)

14 Description of Site in Relation to Surrounding Topography

The site is in a [illegible] industrial area adjacent to Highway 17 and approximately 0.25 miles east of Parkwood Creek.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

USDA Soil Survey

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 State	02 Site Number

II. SAMPLES TAKEN

Sample Type	01 Number of Samples Taken	02 Samples Sent To	03 Estimated Date Results Available
Groundwater	N/A		
Surface Water	N/A		
Waste	N/A		
Air	N/A		
Runoff	N/A		
Spill	N/A		
Soil	N/A		
Vegetation	N/A		
Other	N/A		

III. FIELD MEASUREMENTS TAKEN

01 Type	02 Comments
	N/A

IV. PHOTOGRAPHS AND MAPS

01 Type ☑ Ground ☐ Aerial

02 In Custody of EdE, Inc. (Name of organization or individual)

03 Maps ☐ Yes ☐ No

04 Location of Maps EdE, Inc., San Francisco

V. OTHER FIELD DATA COLLECTED (provide narrative description)

N/A

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 State	02 Site Number

II. CURRENT OWNER(S) | **PARENT COMPANY (If applicable)**

01 Name	02 D+B Number	08 Name	09 D+B Number
Estate Erickson		California Corporation	
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	10 Street Address (P.O. Box, RFD #, etc.)	11 SIC Code
21 El Pueblo Road			
05 City	06 State / 07 Zip Code	12 City	13 State / 14 Zip Code
Scotts Valley	CA 95066		
01 Name	02 D+B Number	08 Name	09 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	10 Street Address (P.O. Box, RFD #, etc.)	11 SIC Code
05 City	06 State / 07 Zip Code	12 City	13 State / 14 Zip Code
01 Name	02 D+B Number	08 Name	09 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	10 Street Address (P.O. Box, RFD #, etc.)	11 SIC Code
05 City	06 State / 07 Zip Code	12 City	13 State / 14 Zip Code

III. PREVIOUS OWNER(S) (List most recent first) | **IV. REALTY OWNER(S) (If applicable, list most recent first)**

01 Name	02 D+B Number	01 Name	02 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code
05 City	06 State / 07 Zip Code	05 City	06 State / 07 Zip Code
01 Name	02 D+B Number	01 Name	02 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code
05 City	06 State / 07 Zip Code	05 City	06 State / 07 Zip Code
01 Name	02 D+B Number	01 Name	02 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code
05 City	06 State / 07 Zip Code	05 City	06 State / 07 Zip Code

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 State	02 Site Number

II. CURRENT OPERATOR (Provide if different from owner)				OPERATOR'S PARENT COMPANY (If applicable)		
01 Name		02 D+B Number		10 Name		11 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)			04 SIC Code	12 Street Address (P.O. Box, RFD #, etc.)		13 SIC Code
05 City	06 State	07 Zip Code		14 City	15 State	16 Zip Code
08 Years of Operation	09 Name of Owner					

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)				PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)		
01 Name		02 D+B Number		10 Name		11 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)			04 SIC Code	12 Street Address (P.O. Box, RFD #, etc.)		13 SIC Code
05 City	06 State	07 Zip Code		14 City	15 State	16 Zip Code
08 Years of Operation	09 Name of Owner During This Period					
01 Name		02 D+B Number		10 Name		11 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)			04 SIC Code	12 Street Address (P.O. Box, RFD #, etc.)		13 SIC Code
05 City	06 State	07 Zip Code		14 City	15 State	16 Zip Code
08 Years of Operation	09 Name of Owner During This Period					
01 Name		02 D+B Number		10 Name		11 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)			04 SIC Code	12 Street Address (P.O. Box, RFD #, etc.)		13 SIC Code
05 City	06 State	07 Zip Code		14 City	15 State	16 Zip Code
08 Years of Operation	09 Name of Owner During This Period					

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 State	02 Site Number

II. ON-SITE GENERATOR

01 Name	02 D+B Number	
Tapmatic Plating Inc.		
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	
[illegible] Poole Road		
05 City	06 State	07 Zip Code
[illegible]	PA	15066

III. OFF-SITE GENERATOR

01 Name	02 D+B Number	01 Name	02 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code
05 City	06 State / 07 Zip Code	05 City	06 State / 07 Zip Code
01 Name	02 D+B Number	01 Name	02 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code
05 City	06 State / 07 Zip Code	05 City	06 State / 07 Zip Code

IV. TRANSPORTER(S)

01 Name	02 D+B Number	01 Name	02 D+B Number
Ross Oil Company			
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code
05 City: [illegible] Penn	06 State: PA / 07 Zip Code	05 City	06 State / 07 Zip Code
01 Name	02 D+B Number	01 Name	02 D+B Number
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code
05 City	06 State / 07 Zip Code	05 City	06 State / 07 Zip Code

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 State	02 Site Number

II. PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. Barrier Walls Constructed — 02 Date _____ — 03 Agency _____
04 Description N/A

01 ☐ S. Capping/Covering — 02 Date _____ — 03 Agency _____
04 Description N/A

01 ☐ T. Bulk Tankage Repaired — 02 Date _____ — 03 Agency _____
04 Description N/A

01 ☐ U. Grout Curtain Constructed — 02 Date _____ — 03 Agency _____
04 Description N/A

01 ☐ V. Bottom Sealed — 02 Date _____ — 03 Agency _____
04 Description N/A

01 ☐ W. Gas Control — 02 Date _____ — 03 Agency _____
04 Description N/A

01 ☐ X. Fire Control — 02 Date _____ — 03 Agency _____
04 Description N/A

01 ☐ Y. Leachate Treatment — 02 Date _____ — 03 Agency _____
04 Description N/A

01 ☐ Z. Area Evacuated — 02 Date _____ — 03 Agency _____
04 Description N/A

01 ☐ 1. Access to Site Restricted — 02 Date _____ — 03 Agency _____
04 Description N/A

01 ☐ 2. Population Relocated — 02 Date _____ — 03 Agency _____
04 Description N/A

01 ☐ 3. Other Remedial Activities — 02 Date _____ — 03 Agency _____
04 Description N/A

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 State | 02 Site Number

II. PAST RESPONSE ACTIVITIES

01 ☐ A. Water Supply Closed 04 Description N/A	02 Date	03 Agency
01 ☐ B. Temporary Water Supply Provided 04 Description N/A	02 Date	03 Agency
01 ☐ C. Permanent Water Supply Provided 04 Description N/A	02 Date	03 Agency
01 ☐ D. Spilled Material Removed 04 Description N/A	02 Date	03 Agency
01 ☐ E. Contaminated Soil Removed 04 Description N/A	02 Date	03 Agency
01 ☐ F. Waste Repackaged 04 Description N/A	02 Date	03 Agency
01 ☐ G. Waste Disposed Elsewhere 04 Description N/A	02 Date	03 Agency
01 ☐ H. On Site Burial 04 Description N/A	02 Date	03 Agency
01 ☐ I. In Situ Chemical Treatment 04 Description N/A	02 Date	03 Agency
01 ☐ J. In Situ Biological Treatment 04 Description N/A	02 Date	03 Agency
01 ☐ K. In Situ Physical Treatment 04 Description N/A	02 Date	03 Agency
01 ☐ L. Encapsulation 04 Description N/A	02 Date	03 Agency
01 ☐ M. Emergency Waste Treatment 04 Description N/A	02 Date	03 Agency
01 ☐ N. Cutoff Walls 04 Description N/A	02 Date	03 Agency
01 ☐ O. Emergency Diking/Surface Water Diversion 04 Description N/A	02 Date	03 Agency
01 ☐ P. Cutoff Trenches/Sump 04 Description N/A	02 Date	03 Agency
01 ☐ Q. Subsurface Cutoff Wall 04 Description N/A	02 Date	03 Agency

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION	I. IDENTIFICATION	
	01 State	02 Site Number

II. ENFORCEMENT INFORMATION

01 Past Regulatory/Enforcement Action ☑ Yes ☐ No

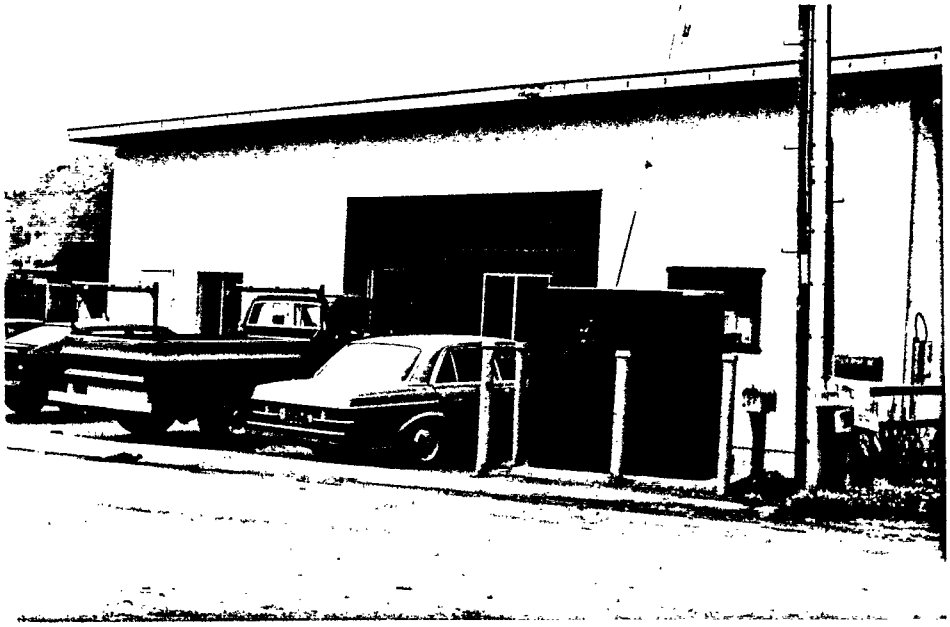
02 Description of Federal, State, Local Regulatory/Enforcement Action

The City of Scotts Valley cited Transmation for failing to have a disposal plan ~~[illegible]~~ for waste oil and for failing to have a plan to rebuild and berm the storage area. (3/5/85)

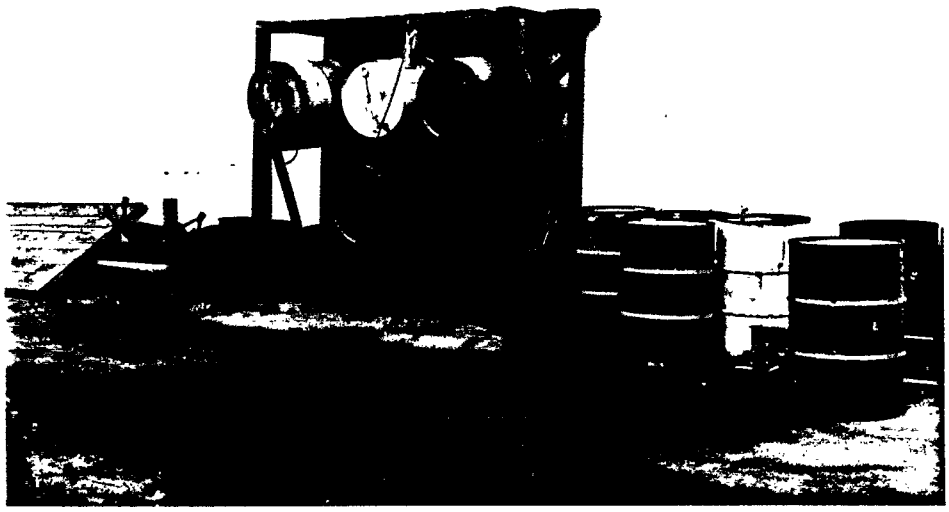
III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

APPENDIX C

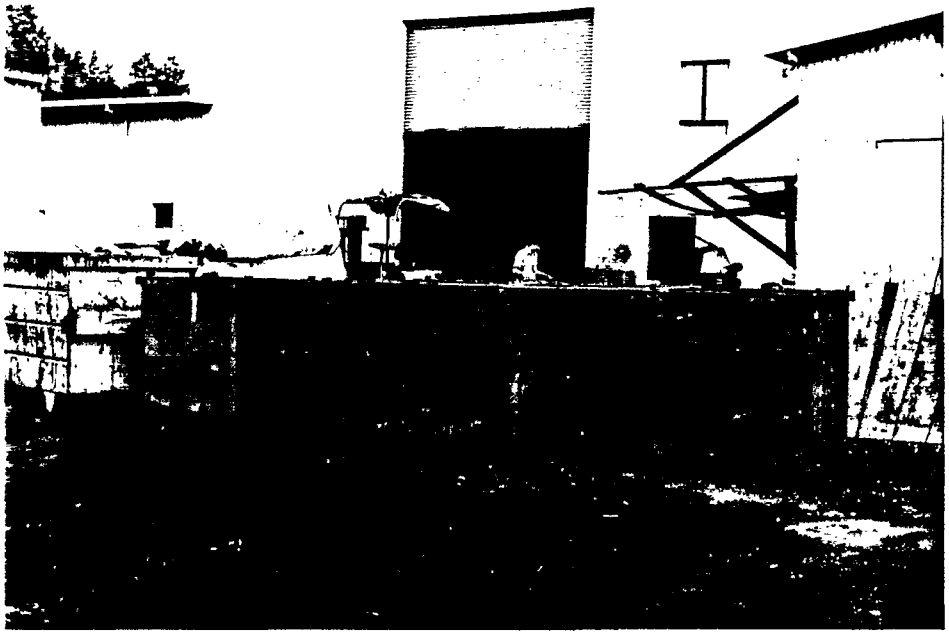
FIT Photographic Documentation



1. Entrance to facility, 7/11/85



2. Outside storage area, 7/11/85



3. Steel bins that metal "chips" are stored in, 7/11/85